

SYSTEM AND METHOD FOR GENERATING MACHINE-LANGUAGE CODE FROM READABLE TEXT CODE FOR MESSAGE FILTERING

ABSTRACT OF THE INVENTION

- 5 A system and method for generating and executing machine-language
filter code. A filter generator receives a text-based filter string. The filter string
contains filter criteria for filtering messages communicated from one computer
program to another computer program or to the same computer program. A machine
language generator converts the filter string to a machine-language filter code. A
10 central processing unit of a host loads and executes the machine-language filter code
to process or discard messages based on the filter criteria. The machine-language filter
code is maintained by the computer program for continual reuse eliminating the
interpretation and translation of the filter string from data to code for each message.